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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(71) Applicant (for all designated States except US): FEMAK DI FARINA MARCELLO & C.S.N.C. [IT/IT]; Via Toscana, 3/B. I-41050 Monatle Rangone (IT).

(75) Inventor/Applicant (for US only): FARINA, Marcello [IT/IT]; Via C. Boni, 10, I-41050 Montale Rangone (IT).

Andreas to the second of the second part of the second (74) Agent: CRUGNOLA, Pietro; Luppi & Crugnola S.r.l., Viale Corassori, 54, I-41100 Modena (IT).

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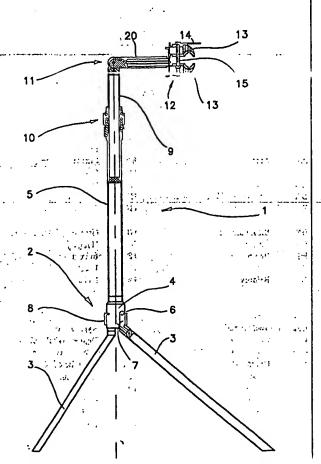
(54) Title: SUPPORT MEANS

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(57) Abstract

The support means for a bicycle frame comprises a base (2) which may be steadily coupled to a reference plane, a support body (5, 9, 20). projecting upwards from said base (2) and clamp means (12) capable of clamping a portion of an object (24) that is to be supported; the base (2) comprises a plurality of feet (3) coupled to said body (5, 9, 20) by means of hinges and rotatable from an open position in which they are remote from said body (5, 9, 20) and a closed position in which they lie substantially parallel to said body (5, 9, 20).



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WO 99/33695 PCT/EP98/08436

Support means

The invention concerns support means, that is an implement for supporting an object, particularly a two-wheel-vehicle, such as a bicycle.

The prior art comprises worktables on which bicycles are positioned for maintenance, or disassembly of parts that are to be repaired or substituted.

There are also known bicycle supports provided with a fork which may be engaged by the axle of the forewheel.

The known supports are inadequate because they are somewhat difficult to be used and may be used only in a workshop in view of their structure and dimensions.

It is an object of the present invention to provide support means, particularly for bicycles, which overcomes the above mentioned deficiencies.

According to the invention, there is provided support means, particularly, but not exclusively, for a bicycle frame, comprising a base, a support body projecting upwards from said base and clamp means for clamping a portion of an object to be supported.

The use of clamp means makes the clamping of a portion of a bicycle frame body particularly easy and stable.

Profesably, the support body has an elongated shape and the base consists of swinging feet, which are hinged in such a way as to be rotatable from an open position to a closed position, at which the feet are folded along the outer surface of the support body.

So the closed position is pparticularly compact and the handling and transport of the support means are considerably simplified.

In an advantageous embodiment, the support body is telescopic so that the overall dimensions of the support means may be considerably further reduced in the closed position.

In addition, the clamp means are advantageously provided with angularly positioning means, in order to allow an user to position in the most convenient way the object to be

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supported.

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The invention will be better understood and carried into effect with reference to the attached drawings which illustrate, as an example, an embodiment of the invention, in which:

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an open operative condition; heart in the heart was

Figure 2 is a longitudinal section of a support implement in a closed transport condition; 1888 and the condition of the cond

Figure 3 is an interrupted and enlarged, longitudinal section of a clamp fixed at an end of a support arm of the implement, in an open condition; so in an end of the table to be a support of the implement.

Figure 4: is a section as insfigure 3, but showing the clamp of only, single closed condition; by all the showing the clamp

Figure 5 is a section through a line V-V in Figure 3;

EFigures 6 and 7 are front interrupted views of the clamp in a closed condition on a tubular element;

Figure 8 is an enlarged and interrupted section of an upper portion of the body of the support implement;

Figure 9 is a longitudinal section of a lower portion of the body of the implement;

Figure 10 is lawsection through a line X-X in figure 9.

A support implement 1 comprises a base 2 consisting of three feet 3 each provided with an angled end 7 hinged to an end element 4 of a tubular body 5 by means of a respective pin 6. The angled ends 7 are arranged in such a way as to allow a ring 8 to be coupled to the outer surface of the feet 3, in order to keep them in an open condition, and to allow the feet 3 to to be aligned parallel to the axis of the tubular body 5, when they are in a closed condition, as shown in Figure 2. The tubular body 5 is telescopic, i.e. the tubular body 5 accommodates a further tubular body 9 which is slidable at the inside of the tubular body 5 and may be locked by ring nut clocking means 10 fixed at the end of the tubular body 5 opposite to the end element 4.

The further tubular body 9 is provided, at its end projecting

from the tubular body 5, with a hinge joint 11 connected to an arm 20 which may be rotated through 90° with respect to the longitudinal axis of the tubular bodies 5 and 9, in order to reach a position substantially perpendicular to said longitudinal axis and substantially parallel to the surface on which the feet 3 rest, when the implement 1 is in the open condition. When the arm 20 in in said position, the hinge joint 11 is positioned in such a way ad to prevent the arm 20 opposite to the hinge joint 11 is provided with clamp means comprising a pair of jaws 13 which may be opened and closed by means of a lever 13 acting on a screw 15.

Figure 2 illustrates, sin particular, that the end of the arm 20 bearing the clamp means 12 is provided, at the base of the clamp means 12 with a stop disk 16 free to make limited axial movements on the arm 20, due to the action of a return spring 17, which passes through a hole 41 of the disk 16 and connects a pin 40 of the disk 16 to the hinge means 11 through a fixing screw 42 connected to the hinge means 11. Said movements allows an outer rim 18 of the disk 16 turned towards the hinge means 11 to engage the ends 19 of the feet 3 when the implement 1 is in the closed condition.

Figure 3 illustrates that the disk 16 is fixed to the body 21 and to one of the jaws 13, engaging an end portion of the screw 15. The other jaw 13 is supported to a mobile guide body 22 which engages the other end of the screw 15 and may be drawn in a direction F along the axis of the screw, to open or close the jaws 13.

A conical spring 29 wounded on the screw 15 is interposed between the jaws 13, in order to keep the jaws spaced apart from one another.

As shown in figure 4, the jaws 13 have an inner surface 23 shaped in such a way as to allow the jaws 13 clamp a bicycle frame element 24.

Angularly positioning means 25 capable of angularly

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positioning the clamp means 12 with respect to the arm 20 are provided on the surface of the disk 16 opposite to the clamp means 12. The angularly positioning means 25 comprises a tubular element extending at the inside of the arm 20 and centred with respect to the arm 20 by means of rings 26. The end of the tubular element opposite to the disk 16 is provided with indentations 27 large enough to engage an appendix 28 projecting from an end of the hinge means 11, said appendix consisting advantageously of a screw peg. In such a way, if the clamp means: 12 are drawn out from the arm 20 against the adjaction of atherspring 17, sithis possible to rotate them with respect to the arm 20 in order to position the jaws 13 in a indesired position with respect to the surface on which the feet ### restanthis makes possible to adjust angularly the position diofathe frame element 24 in the direction shown by the arrows paFleinaFigures 6 and 7, or in the opposite direction, so that - the cuser may position easily the bicycle for maintenance or g, for repairing parts of a thembicycle. In addition, the a particular shape of the angularly positioning means 25 allows readstable angular position to be obtained, said position being kept steady by the coupling of one of the indentations 27 with the appendix, 28.

As shown in figure 8, the ring out locking means 10 comprises a ring nutrobody 31 which may be grasped by the user and engaged in a screwed portion 32 of a sleeve 33 secured by means of a screw 35 to an end of the tubular body 5 opposite to the end provided with the feet 3. The ring out body 31 is provided with a conical end 34 capable of pressing a friction element 36 against a portion of the outer surface of the arm 20 The friction element 36 consists of a conical bush which has a peripheral interruption making the bush elastically expandable and shrinkable and is provided with an annular relief 39 which engages a corresponding annular seat of the sleeve 33 and acts as anti-disengagement means for the bush when the arm 20 and, if necessary, the further tubular element 9 are caused to slide axially at the inside of the tubular

body 5.

Figures 9 and 10 show that the hinge pins 6 of the angled elements 7 of the feet 3 are inserted forcibly into portions of the end element defining recesses 37 capable of fitting a member 38 of each angled element 7. The member 38 has and outer surface comprising cylindrical portions, in order to be able to be coupled to the inner surface of the ring 8, with or without interference. All that in order to obtain a steady positioning of the angled elements 7 and feet 35 in the open position.

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- 1. Support means comprising a base (2), a support body (5, 9, 20) projecting upwards from said base (2) and clamp means (12) for clamping a portion of an object (24) to be supported.
- 2. Support means suitable for supporting a bicycle frame, comprising a body (5, 9, 20); which may be telescopically coupled to clamp means (12).
- 3. Support means according to claim 1, or 2, wherein said base (2) comprises a plurality of feet (3) hinged to said body (5, 9, 20) and rotatable from an open position remote from said body (5, 9, 20) and a closed position in which said feet (3) lie substantially parallel to said body (5, 9, 20).
- 4. Support means according to claim 3, wherein each of said feet (3) has an end (7) inserted in respective recess means of said body (5, 9, 20).
- 5. Support means according to any of preceding claims, wherein stabilising means (8) are provided for stabilising said feet (3) in the open position.
- 6. Support means according to claim 5, and one of claims 3, or 4, wherein said stabilising means comprise a ring (8) arranged outside said body (5. 9, 20), floot to stitue and arranged outside said body and capable of engaging the outer surfaces of said ends (7) with its inner surface.
- 7. Support means according to any of preceding claims, wherein said body (5, 9, 20) comprises a tubular member (5) capable of receiving axially and telescopically a further member (9).
- 8. Support means according to claim 7, wherein ring nut fixing means (10) are interposed between said tubular member (5) and said further member (9).
 - 9. Support means according to claim 8, wherein said ring nut fixing means (10) comprises an elastically expandable bush (36) provided with anti-disengagement means (39) capable of preventing said bush (36) being disengaged from a sleeve body

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- (33) secured to said tubular member (5).
- member (9) is provided with an extension shaped as an arm
 - 11. Support means according to claim 10, wherein hinge joint means (11) his interposed between said further member (9) and said arm (20) may yet (6) and approximate to be believed at
 - 12. Support means according to claim 10, or 11, wherein said arm (20) is so dimensioned as to be able to be telescopically accommodated at the inside of said tubular member (5).
 - 13. Support means according to any of preceding claims, and further comprising angularly adjusting means (25, 27, 28) for adjusting and securing the position of said clamp means (12) with respect to said body (5, 9, 20).
 - angularly adjusting means (25, 27, 28) comprises an element (25) arranged at the inside of said arm (20), fixed to said clamp means (12) and capable of being positioned in angularly preestablished positions with respect to the arm (20).
 - 15. Support means according to claim 14, wherein said element
 - (25) is provided with longitudinal indentations (27) capable to of engaging attainance reference means (28) 4 of estate arm (20).
 - 16. Supporte means according to claim 14, or 15, wherein said element (25) is elastically slidable in said arm (20) owing to elastic means (17).
 - 17. Support means according to any of preceding claims, and further comprising lock means (18) for locking said feet (3) in said closed position.
 - 18. Support means according to claim 17, wherein said lock means comprises a rim (18) associated with said body (5, 9, 20) and turned towards said feet (3).
 - 19. Support means according to claim 18, wherein said rim (18) is fixed to said clamp means (12).
 - 20. Clamp means (12) capable of being coupled to a bicycle frame, characterised in that they are capable of being

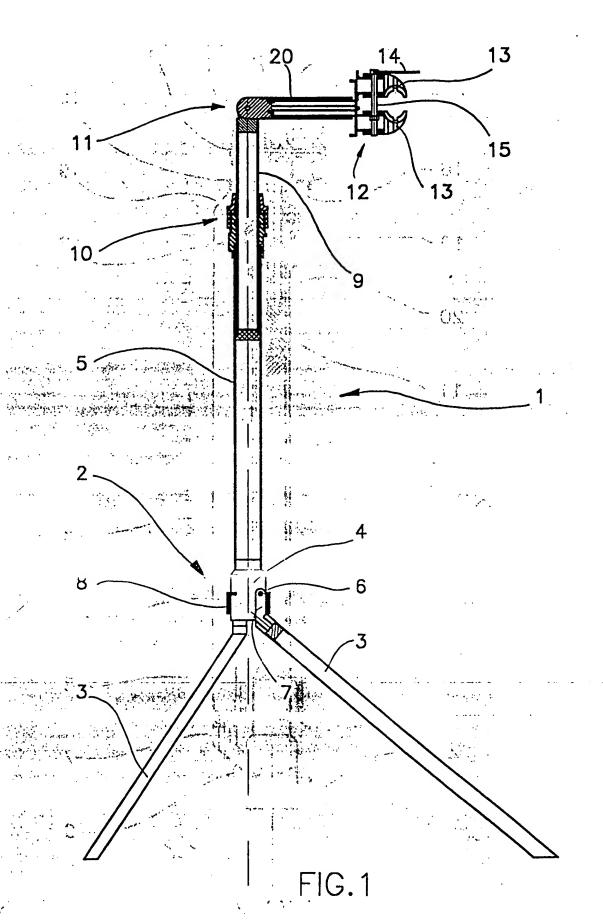
telescopically coupled to support means (5):

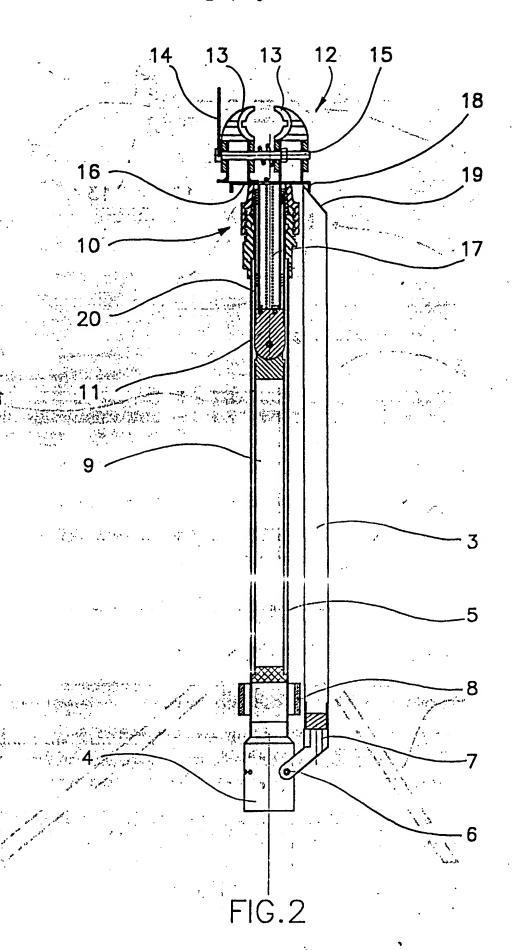
- 21. Clamp means (12) according to claim 20, and further coupled to an arm (20) which is so dimensioned as to be able to be telescopically accommodated at the inside of said support means (5).01 and 10 accommodated at the inside of said
- (20) is coupled to a further arm (9) by means of hinge joint means (11).
- further arm (9) is so dimensioned as to be able to be telescopically accommodated at the inside of said support means (5).
- 24. Clamp means (12) according to any of claims 20 to 23, and further comprising angularly adjusting means (25,027, 28) for adjusting and securing the position of said clamp means (12) with respect to said support means (5).
- angularly adjusting means (25, 27, 28) comprises an element (25) arranged at the inside of said arm (20), fixed to said clamp means (12) and capable of being positioned in angularly predetermined positions with respect to the arm (20).
- element (25) is provided with longitudinal indentations (27)
- 27. Clamp means (12) according to claim 25, or 26, wherein said element (25) is elastically slidable in said arm (20) owing to elastic means (17).

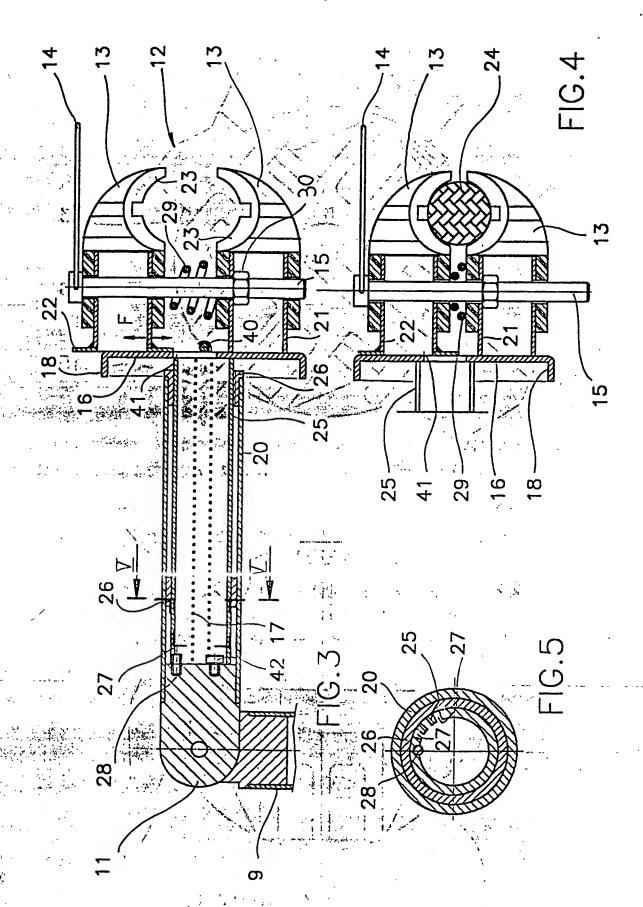
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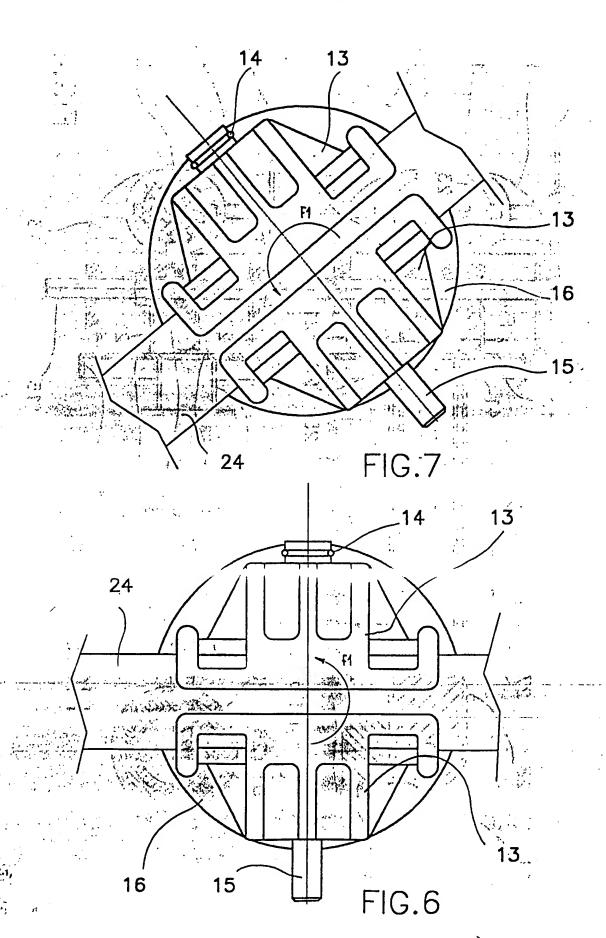
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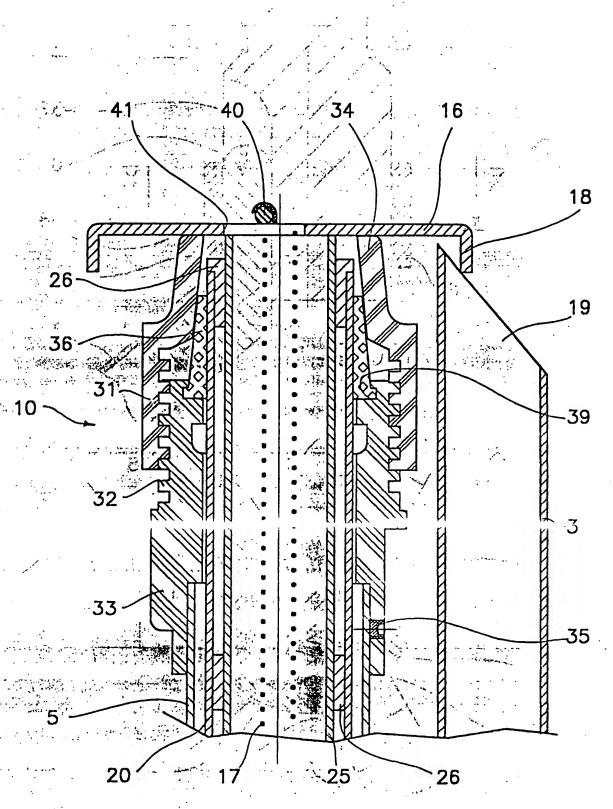
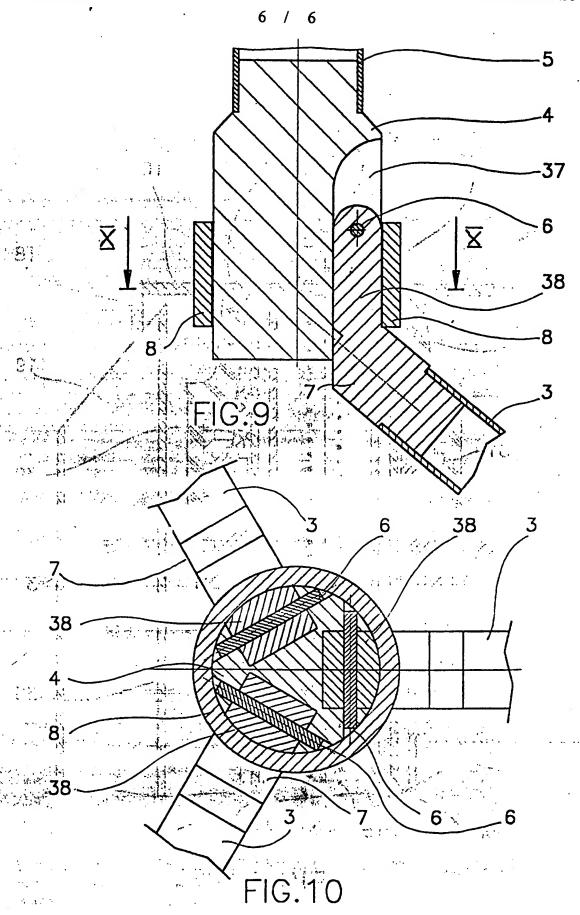


FIG.8



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CLASSIFICATION OF SUBJECT MATTER PC 6 B62H3/02 F16M IPC 6 F16M11/28 F16M11/10 B25H1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 6 B62H F16M B25H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	
Catagon	Citation of document with Indication when	

Category *	Citation of document, with Indication, where appropriate, of the relevant passages		Relevant to claim No.
X Y A	DE 90 15 322 U (HEINZ) 31 January 1991 see claims; figures		14,25
X 多級格 ····································	EP 0 597 150 A (MINOURA CO LTD) 18 May 1994 see column 3, line 8 - column 5, line 55; figures 1-11		1-5,7, 1 20,24
X Y	US 4 923 156 A (LINNÉUSSON) 8 May 1990 see column 2, line 15 - column 3, line 42; figures;	•	1,3-5 6
X	US 2 303 978 A (BIBERMAN) 1 December 1942 see page 1, column 2, line 33 - page 2, column 2, line 2; figures -/		1,7,8 6,10
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X	Further documents are listed in the	continuation of box C.
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	C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT					
Category '	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to clain	n No.			
X	US 4 807 837 A (GAWLIK ET AL.)		170	· ·		
\	28 February 1989		1,7,8 10-12	,17		
•	see column 4, line 50 - column 5, line 49; figures	erre erre	9,18			
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	US 5 449 138 A (CIANCIO JOSEPH) 12 September 1995 see claims; figures	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	≔ 21−23	• •		
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Patent document cited in search report		Publication date		itent family nember(s)		Publication date
DE 9015322	U	31-01-1991	DE	9000903	U	29-03-1990
EP 0597150	Α .	18-05-1994	JP US	7069256 5320227		14-03-1995 14-06-1994
US 4923156	A	08-05-1990	CA SE SE	1324785 459444 8702774	В	30-11-1993 03-07-1989 07-01-1993
US 2303978	A	01-12-1942	NONE		•	
US 4807837	Α	28-02-1989	NONE			
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(71) Applicant (for all designated States except US): FEMAK DI FARINA MARCELLO & C.S.N.C. [IT/IT]; Via Toscana, 3/B, I-41050 Monatle Rangone (IT).

(72) Inventor; and

(75) Inventor/Applicant (for US only): FARINA, Marcello [IT/IT]; Via C. Boni, 10, I-41050 Montale Rangone (IT).

(74) Agent: CRUGNOLA, Pietro, Luppi & Crugnola S.r.l., Viale Corassori, 54, I-41100 Modena (IT).

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(54) Title: SUPPORT MEANS

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(57) Abstract

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The support means for a bicycle frame comprises a base (2) which may be steadily coupled to a reference plane, a support body (5,-9, 20) projecting upwards from said base (2) and clamp means (12) capable of clamping a portion of an object (24) that is to be supported; the base (2) comprises a plurality of feet (3) coupled to said body (5, 9, 20) by means or hinges and rotatable from an open position in which they are remote from said body (5, 9, 20) and a closed position in which they lie substantially parallel to said body (5, 9, 20).

